Name:

*Mr. Tiénou-Gustafson & Mr. Bielmeier*

Geometry, Period

Due Date: Mon, 17 Nov 2014 ***Quiz on Monday! Study!!!***

**Geometry**

**Homework**



# Parma resident completed his goal of running circumference of the earth

****By [**Maura Zurick, Northeast Ohio Media Group**](http://connect.cleveland.com/staff/mzurick/posts.html)  
Email the author | [**Follow on Twitter**](https://twitter.com/MauraZurick) on July 02, 2014

PARMA, Ohio — Parma resident Paul Kirner crossed the finish line of his 18.5-year-old goal of running 24,901.55 miles.

He said it started as a New Year's resolution in 1995, and he completed the goal Tuesday night on his 67th birthday.

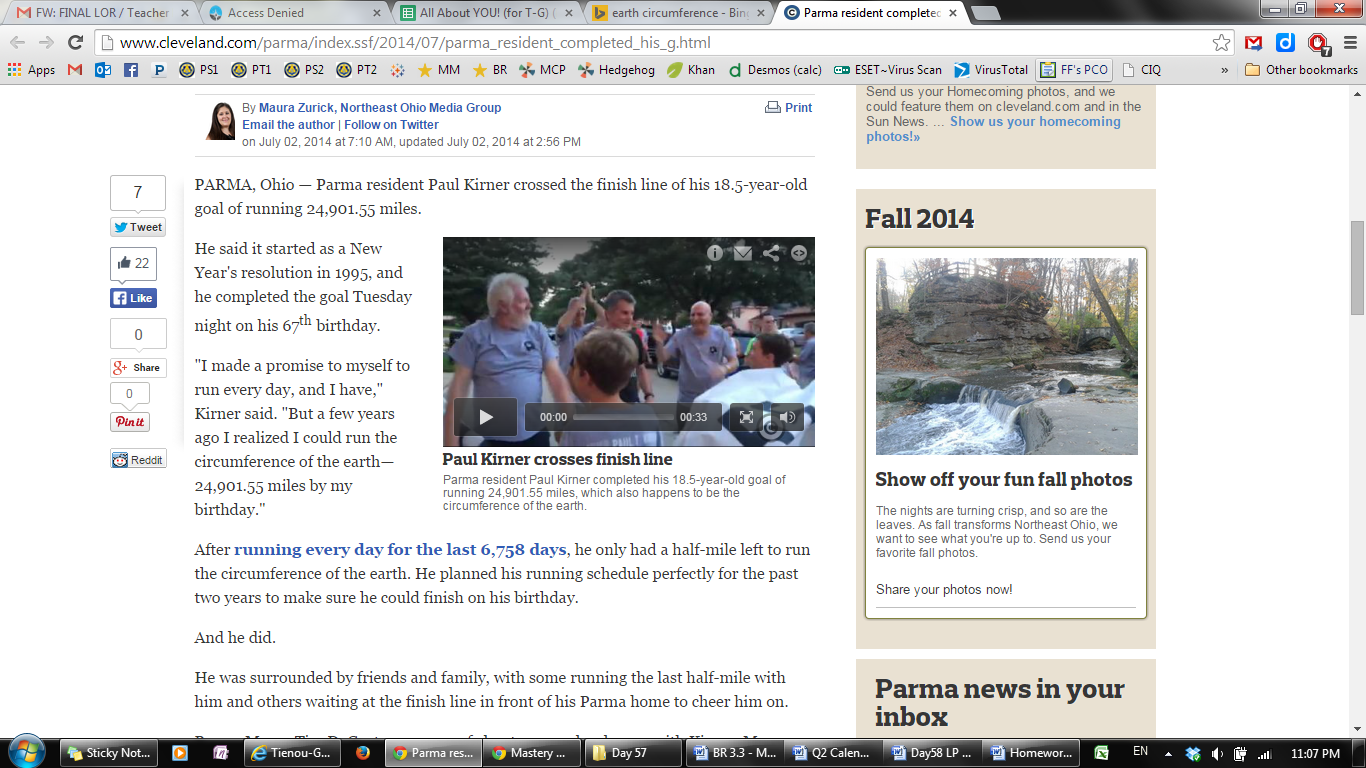
"I made a promise to myself to run every day, and I have," Kirner said. "But a few years ago I realized I could run the circumference of the earth—24,901.55 miles by my birthday."

After [**running every day for the last 6,758 days**](http://www.cleveland.com/parma/index.ssf/2014/06/parma_resident_to_complete_goa.html), he only had a half-mile left to run the circumference of the earth. He planned his running schedule perfectly for the past two years to make sure he could finish on his birthday.

And he did.

He was surrounded by friends and family, with some running the last half-mile with him and others waiting at the finish line in front of his Parma home to cheer him on.

Parma Mayor Tim DeGeeter was one of about 25 people who ran with Kirner. More than 40 others cheered him on from the finish line.

"Paul is an inspiration to us all," DeGeeter said. "I'm glad I had the chance to be a part of his incredible achievement."

Kirner's grandchildren came from California just to run with him.

His 10-year-old grandson Alex said his grandfather's birthday was very special this year.

"To run the circumference of the earth and complete that on your birthday is quite a big thing," Alex said. "We wanted to be there for it."

Kirner said he's going to continue running every day.

"What's next for me will be to get to 25,000 miles," he said. "Then maybe I'll work towards running the circumference of the earth again."

**Comprehension Questions**

1. What was most surprising to you about this story?
2. What can Kirner’s story teach us?
3. If Kirner decides next the distance to the center of the earth, what geometric measure would this be? How far would he need to run? *(Hint: find radius using the formula for circumference and the fact that C=24901.55 mi.)*
4. **~~Optional~~**~~: How long did it take Kirner to run the circumference of the earth? \_\_\_\_\_\_\_\_\_\_  
   If he were to run the radius of the earth in 3 years, which would he have run~~ **~~faster:~~** ~~the circumference or the radius? Explain.~~
5. There are approximately 1.61 kilometers to a mile. How far did Kirner run in kilometers?  
   *(Think: should this number be* ***bigger or smaller*** *than the number of miles? Should you* ***multiply or divide****?)*
6. If there earth were sliced in half across its equator, how large would the inside surfaces of these slices be? *(Hint: use the number you found for radius in #3 to calculate the area.)*